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CENTRAL INTELLIGENCE AGENCY

REPORT NO. [REDACTED]

INFORMATION REPORT

25X1

COUNTRY

Germany (Russian Zone)

DATE DISTR. 25 Mar. 1952

SUBJECT

Radiosonde Used by German Meteorological Service

NO. OF PAGES 1

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NO. OF ENCLS
(LISTED BELOW)SUPPLEMENT TO
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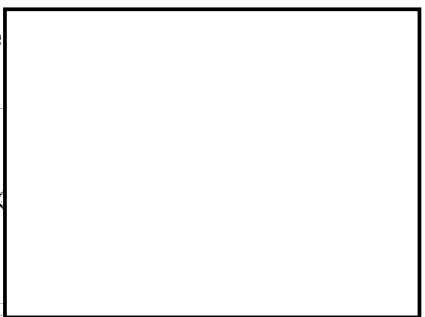
A report on the inland shipping in the Soviet Zone of Germany during the period from 1948 to 1950 was drafted by the Directorate General, Shipping, Berlin, Planning and Statistics section, in March 1951. The report gives data about commerce on the inland waterways, transport performances, harbor turnovers, passenger traffic, strength of inland fleet, fuel consumption, dredging operations, and lock installations, as well as a list of the workmen employed in inland shipping. *

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I. [redacted] radiosonde used by the Germany Meteorological Service in the Soviet Zone of Germany. This manual was issued in May 1951 and distributed to the meteorological stations in the Soviet Zone of Germany in late July 1951. *

2. In May 1951, it was learned at the procurement department of the meteorological service that China, Rumania and Bulgaria had ordered radiosondes as used in the Soviet Zone of Germany from the Freiburger Werkstaetten fuer Elektromechanik (Electromechanic Engineering Plant) at 14 Berthelsdorferstrasse, Freiberg/Saxony, post office box 183.
3. Specifications on the Molchanov sonde have been published in the Publications of the International Aerological Commission, Construction of Radiosondes. **

* [redacted]

** [redacted] Comment. Subject radio sonde operates in the frequency range of 3000 to 4000 kcs. The transmitter is located at the center (the feed point) of its center feed vertical doublet antenna. The antenna consists of two dipoles, each consisting of 20 meters in length forming an half-wave vertical antenna suspended by the balloon. The antenna is kept taut on the ascent through the medium of a small parachute which is inverted on the lower end of the antenna. This parachute serves to lower the radio-sonde safely back to the ground after the balloon bursts.

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Circuit diagrams, battery data, weights, length of operating time as well as detail description of the temperature, barometric pressure and relative humidity mechanics are included. Power output was not noted.

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